

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/972,758A

DATE: 04/18/2003 TIME: 15:54:26

Input Set : A:\277084004.ST25.txt

Output Set: N:\CRF4\04182003\I972758A.raw

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3 <110> APPLICANT: Case Western Reserve University
         Montano, Monica
         Wittman, Bryan
 7 <120> TITLE OF INVENTION: Suppressors of Human Breast Cancer Cell Growth
 9 <130> FILE REFERENCE: 27708/04004
11 <140> CURRENT APPLICATION NUMBER: US 09/972758A
12 <141> CURRENT FILING DATE: 2001-10-05
14 <150> PRIOR APPLICATION NUMBER: US 60/238,187
15,<151> PRIOR FILING DATE: 2000-10-05
17 <160> NUMBER OF SEQ ID NOS: 7
                                                        ENTERED
19 <170> SOFTWARE: PatentIn version 3.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1080
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <400> SEQUENCE: 1
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                                                                        120
31 cccgaggagg acagtaggtg gcaatcgaga gcgttccccc agttgggtgg ccgtccgggg
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33 ccggagggg aagggagcct ggaatcccaa ccacctccct tgcagaccca ggcctgtcca
                                                                        240
35 gaatetaget geetgagaga gggegagaag ggeeagaatg gggaegaete gteegetgge
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37 ggcgaettee egeeggeegge agaagtggaa eegaegeeeg aggeegaget getegeeeag
                                                                        360
39 cettgteatg acteegagge eagtaagttg ggggeteetg eegeaggggg egaagaggag
                                                                        420
41 tggggacage agcagagaca getggggaag aaaaaacata agagacgeee gtecaagaag
                                                                        480
43 aagcggcatt ggaaaccgta ctacaagctg aactgggaag agaagaaaaa gttcgacgag
                                                                        540
45 aaacagagee ttegagette aaggateega geegagatgt tegeeaaggg eeageeggte
                                                                        600
47 gcgccctata acaccacgca gttcctcatg gatgatcacg accaggagga gccggatctc
                                                                        660
49 aaaaccggcc tgtactccaa gcgggccgcc gccaaatccg acgacaccag cgatgacgac
                                                                        720
51 ttcatggaag aagggggtga ggaggatggg ggcagcgatg ggatgggagg ggacggcagc
                                                                        780
53 gagtttetge agegggaett eteggagaeg taegageggt accaeaegga gageetgeag
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55 aacatgagca agcaggagct catcaaggag tacctggaac tggagaagtg cctctcgcgc
                                                                        900
57 atggaggacg agaacaaccg gctgcggctg gagagcaagc ggctgggtgg cgacgacgcg
                                                                        960
59 cgtgtgcggg agctggagct ggagctggac cggctgcgcg ccgagaacct ccagctgctg
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61 accgagaacg aactgcaccg gcagcaggag cgagcgccgc tttccaagtt tggagactag
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65 <211> LENGTH: 359
66 <212> TYPE: PRT
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71 Met Ala Glu Pro Phe Leu Ser Glu Tyr Gln His Gln Pro Gln Thr Ser
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75 Asn Cys Thr Gly Ala Ala Ala Val Gln Glu Glu Leu Asn Pro Glu Arg
76
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79 Pro Pro Gly Ala Glu Glu Arg Val Pro Glu Glu Asp Ser Arg Trp Gln
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83 Ser Arg Ala Phe Pro Gln Leu Gly Gly Arg Pro Gly Pro Glu Gly Glu
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87 Gly Ser Leu Glu Ser Gln Pro Pro Pro Leu Gln Thr Gln Ala Cys Pro
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                                          75
91 Glu Ser Ser Cys Leu Arg Glu Gly Glu Lys Gly Gln Asn Gly Asp Asp
                                      90
95 Ser Ser Ala Gly Gly Asp Phe Pro Pro Pro Ala Glu Val Glu Pro Thr
               100
                                  105
99 Pro Glu Ala Glu Leu Leu Ala Gln Pro Cys His Asp Ser Glu Ala Ser
          115
                               120
103 Lys Leu Gly Ala Pro Ala Ala Gly Gly Glu Glu Glu Trp Gly Gln Gln
                           135
107 Gln Arg Gln Leu Gly Lys Lys His Arg Arg Arg Pro Ser Lys Lys
                       150
                                           155
111 Lys Arg His Trp Lys Pro Tyr Tyr Lys Leu Thr Trp Glu Glu Lys Lys
                   165
                                       170
115 Lys Phe Asp Glu Lys Gln Ser Leu Arg Ala Ser Arg Ile Arg Ala Glu
116 180
                                  185
119 Met Phe Ala Lys Gly Gln Pro Val Ala Pro Tyr Asn Thr Thr Gln Phe
                               200
123 Leu Met Asp Asp His Asp Gln Glu Glu Pro Asp Leu Lys Thr Gly Leu
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127 Tyr Ser Lys Arg Ala Ala Ala Lys Ser Asp Asp Thr Ser Asp Asp
                       230
                                           235
131 Phe Met Glu Glu Gly Gly Glu Glu Asp Gly Gly Ser Asp Gly Met Gly
                   245
                                      250
135 Gly Asp Gly Ser Glu Phe Leu Gln Arg Asp Phe Ser Glu Thr Tyr Glu
136 .
              260
                                   265
139 Arg Tyr His Thr Glu Ser Leu Gln Asn Met Ser Lys Gln Glu Leu Ile
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                               280
143 Lys'Glu Tyr Leu Glu Leu Glu Lys Cys Leu Ser Arg Met Glu Asp Glu
144 290
                           295
147. Asn Asn Arg Leu Arg Leu Glu Ser Lys Arg Leu Gly Gly Asp Asp Ala
                       310
                                           315
151 Arg Val Arg Glu Leu Glu Leu Glu Leu Asp Arg Leu Arg Ala Glu Asn
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155 Leu Gln Leu Leu Thr Glu Asn Glu Leu His Arg Gln Gln Glu Arg Ala
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159 Pro Leu Ser Lys Phe Gly Asp
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165 <212> TYPE: PRT
166 <213> ORGANISM: Homo sapiens
168 <400> SEQUENCE: 3
170 Lys His Arg Arg Pro Ser Lys Lys Lys Arg His Trp Lys Pro Tyr
171 1
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VERIFICATION SUMMARY

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